Priya Verma

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Education

VIT Bhopal University	**Bhopal, Madhya Pradesh**
BTech ECE (AI and Cybernetics)	Expected June 2026

Cumulative GPA**: 8.87/10**

12th Standard

Govt. Girls Higher Secondary school	**Jaithari, Madhya Pradesh**
MPBSE Cumulative percentage: **92.6%**	May 2022

10th Standard

Govt. Girls Higher Secondary school	**Jaithari, Madhya Pradesh**
MPBSE Cumulative percentage: **96%**	May 2020

Technical Skills and Tools

C/C++, SQL, Embedded System, Embedded C, IoT.

Projects

Sign Language to speech conversion System   **Feb 2024 - May 2024**
- Develop a real-time gesture-processing pipeline on a microcontroller. Need for a low-cost embedded system to convert hand gestures into speech.
- Implemented sensor acquisition, ADC sampling, and C/C++ processing for gesture detection and event handling.
- Technology: Arduino IDE, C++, Embedded systems.
- Role: Embedded System Developer
- Link: https://github.com/priyaverma05/Sign-Language-to-speech-convergence.git

Home Automation System   **Jan 2025 – Apr 2025**
- Developed a flexible smart home system that integrates temperature, ultrasonic, and LDR sensors with an ESP32
- microcontroller. The system intelligently adjusts the environment in real time, achieving 80% accuracy in maintaining
- optimal conditions based on sensor data. It also allows remote control of appliances.
- Technologies: ESP32, Ultrasonic, LDR, Temperature Sensor, Fan, C++.
- Role: Embedded logic design, sensor fusion, and integration.
- Link: https://github.com/priyaverma05/Home-Automation.git

The Rider's co-pilot: An intelligent assistant for smarter riding   **Aug 2025 - Ongoing**
- Designed a system that verifies rider safety before allowing ignition. Accidents caused by no-helmet use, alcohol, and drowsiness needed an automated safety solution.
- Integrated IR, MQ-3, RF modules, relay control, and EAR-based drowsiness detection using Arduino and Python.
- Role: Hardware integration and Code the system.
- Link: https://github.com/priyaverma05/The-Rider-s-co-pilot-An-intelligent-assistant-for-smarter-riding.git

Experience

Embedded System Design Internship-Maven Silicon   **Jan 2025-Apr 2025**
- Completed an externship remotely with Maven Silicon, where I worked on a "Home Automation" project focusing on embedded solution design and implementation. During this experience, I enhanced my skills in microcontroller interfacing and Embedded C programming.
- Link: https://drive.google.com/file/d/1xB6gNdnCX6ZPCLdEzL2APt73IzATJrYd/view?usp=sharing

Extracurricular Activities

- Volunteered for attending the ANRF-sponsored National Symposium on Innovations in Intelligent Systems at (Feb 2024).
- Worked as a team member in the ROBOX event at AdVITya 24.

Achievements

- Awarded the STARS Scholarship by VIT Bhopal University (2022).
- Received ₹25,000 grant under Laptop Yojna (Madhya Pradesh Government) for academic excellence (2022).
- Awarded the INSPIRE Scholarship by the Government of India, offering ₹4,00,000 support for higher education in science and technology (2022).
- Secured Top Rank in District in Class 10th and 12th Board Examinations.

Certifications & Training

- Embedded System Design Certification (Maven Silicon 2025)

Additional Information

Languages: Hindi, English
Hobbies: Photography, social activities.